



# CALIFORNIA

## Agricultural Bulletin

**EDD** Employment  
Development  
Department  
State of California

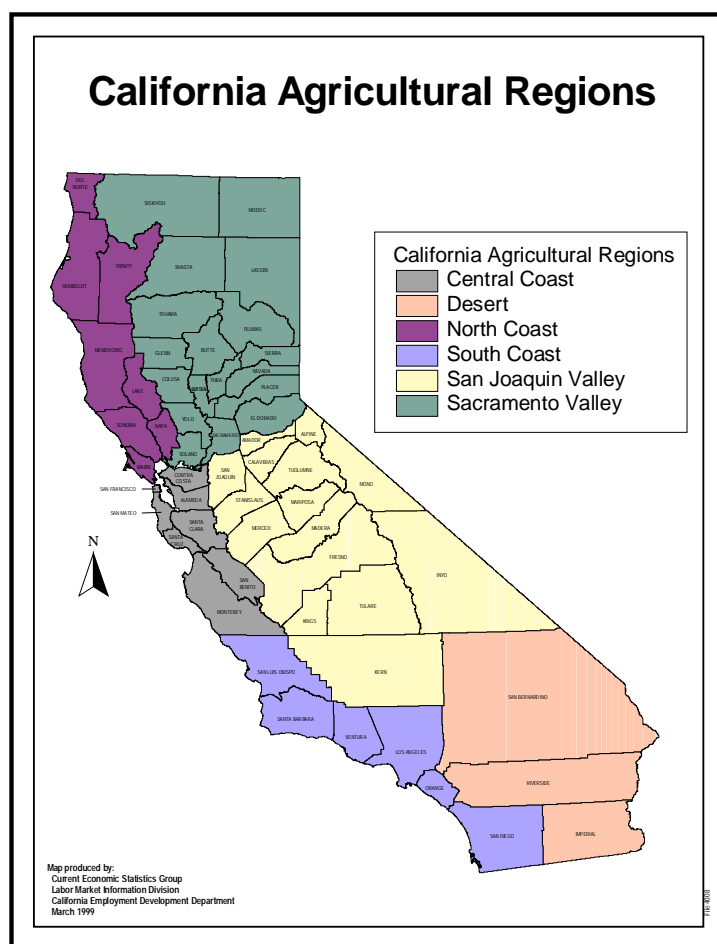
September 2000  
(Internet Version)

### Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

**LMID**  
Labor Market Information Division  
"Your Information Source"

## Introduction

The California Agricultural Bulletin is produced by the Employment Development Department (EDD) in cooperation with the U.S. Department of Agriculture and through a grant from the U.S. Department of Labor. Because of changes in sampling and estimating procedures, farm employment data published by EDD prior to January 1997 may not be strictly comparable to current estimates.

## Summary

### Employment

Agricultural employment in California for September 2000 increased 15,000 jobs over the previous month, a gain of three percent. Total Agricultural Production increased 22,600 from August 2000 to September 2000 for a gain of 10 percent. Agricultural Services registered a decrease of 7,600 jobs, a loss of four percent. An increase in agricultural employment from August to September is normal. The change in California agricultural employment from August 1999 to September 1999 was an increase of 8,200 jobs.

Grapes registered the largest change in the number of jobs with an increase of 11,000 for the month of September 2000. Other Fruits and Nuts, also, registered a significant increase with a gain of 7,900 jobs. Farm Management Services registered the largest decrease for September 2000 with a decline of 8,900 workers. Total agricultural employment increased in the Desert, San Joaquin Valley, and Sacramento Valley regions while decreases were registered in the Central Coast, North Coast, and South Coast regions.

### Production and Crop Activity

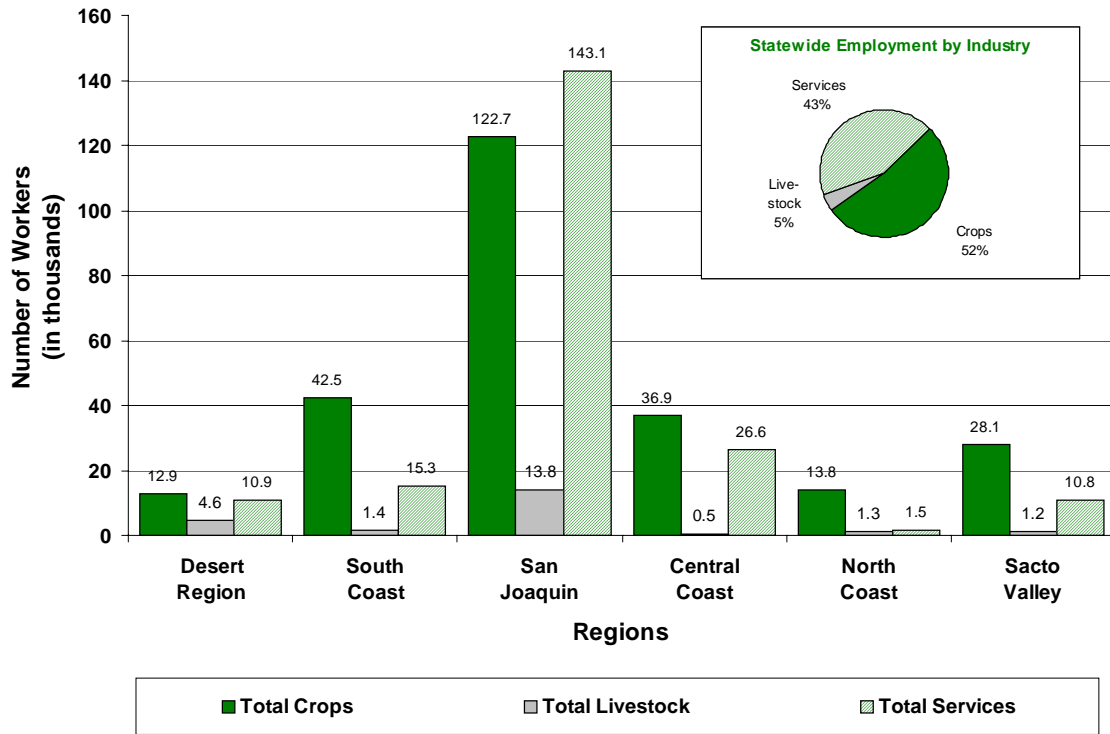
Cotton defoliation was in high gear and fields were treated to control worms. Some cotton fields received final irrigation. Alfalfa hay was in all stages of production. Seed alfalfa was harvested and stubble was burned. Some fields were sprayed for armyworms. Feed corn, sugar beets, sudangrass, and safflower were harvested. The rice harvest also gained momentum. Fields were prepared for planting wheat and barley. Lettuce fields were irrigated, weeded, and sprayed. Vegetables harvested during the month included basil, beans, carrots, cherry tomatoes, Chinese broccoli, cilantro, sweet corn, cucumbers, eggplant, garlic, kabocha, mustard greens, mixed melons, okra, green onions, parsley, peas, peppers, radishes, spinach, squash, and zucchini.

Vineyard and orchard workers were busy with weed control, fungicide applications, and irrigation. Harvesting of both table grapes and wine grapes was active. The picking of peaches, nectarines, plums, prunes, pomegranates, persimmons, and apples continued. The harvesting of olives was active and growers were trapping and spraying for the olive fruit fly. Grapefruit was picked in the San Joaquin Valley and lemons were picked in southern California. Raspberries were harvested in the Tehachapi area and strawberry picking continued. Pistachios were actively being harvested and the almond harvest gained momentum. Walnuts were treated for codling moth and some early varieties were harvested.

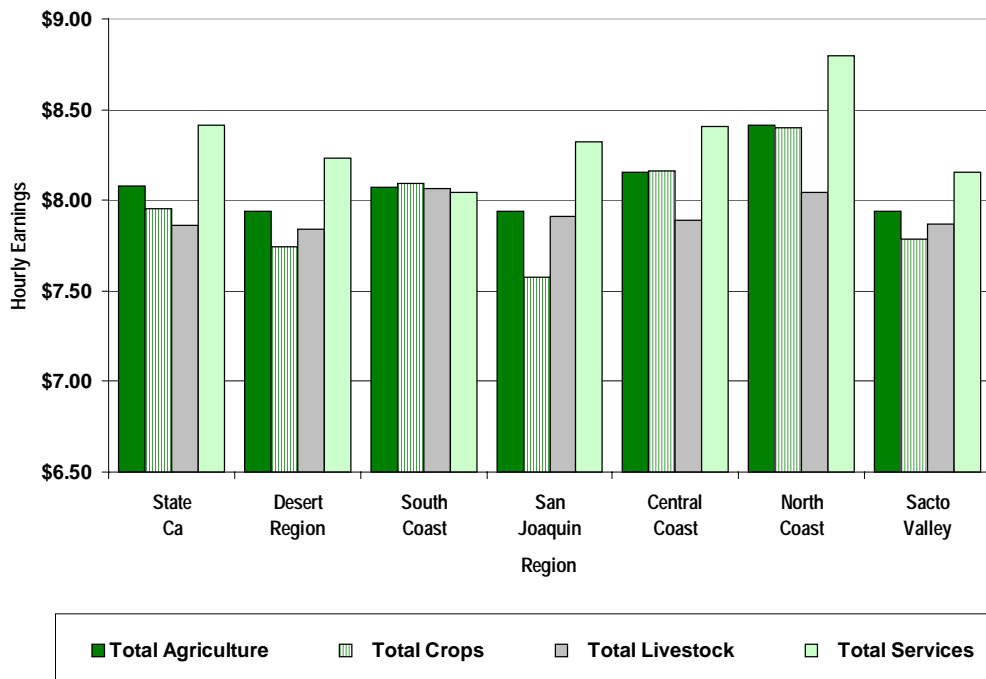
An increased number of cattle were moved from summer pastures to winter foothill pastures. Many cattle on foothill pastures received supplemental feeding. Fall calving began and supplemental feeding of lactating cows increased.

# Agricultural Summary Charts

## Wage and Salary Workers



## Average Hourly Earnings



# CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>488.0</b>	<b>473.0</b>	<b>488.7</b>
<b>Total Agricultural Production/Crops</b>	<b>257.0</b>	<b>230.7</b>	<b>242.8</b>
Cash Grains	3.7	2.2	2.8
Rice	2.6	1.5	1.7
Other Cash Grains	1.1	0.7	1.1
Field Crops Except Grains	19.1	17.2	12.5
Cotton	7.6	5.7	6.4
Other Field Crops	11.5	11.5	6.1
Vegetables and Melons	43.0	46.2	38.9
Total Fruits and Tree Nuts	122.1	104.3	121.6
Berries	15.5	17.0	16.3
Grapes	53.9	42.9	58.3
Tree Nuts	6.2	3.6	11.7
Citrus Fruits	4.9	3.1	5.1
Deciduous Tree Fruit	19.7	23.7	19.4
Other Fruits & Nuts	21.9	14.0	10.8
Total Horticultural Specialties	37.7	32.6	36.4
Ornamental Floral & Nursery	34.3	28.6	32.9
Food Crops Grown Under Cover	3.4	4.0	3.5
General Farm Primarily Crop	31.4	28.2	30.6
<b>Agricultural Production/Livestock</b>	<b>22.8</b>	<b>26.5</b>	<b>29.0</b>
Beef Cattle Feed Lots	1.6	2.0	1.2
Beef Cattle Except Feed Lots	1.9	3.2	3.6
Dairy Farms	11.8	13.5	16.1
Chicken Eggs	2.4	2.2	2.5
Turkey & Turkey Eggs	0.5	0.5	0.9
Other Livestock	4.6	5.1	4.7
<b>Total Agricultural Services</b>	<b>208.2</b>	<b>215.8</b>	<b>216.9</b>
Soil Preparation Services	0.9	0.5	1.6
Crop Services	43.8	47.8	53.1
Plant Cultivate & Protection	6.0	4.3	6.7
Harvest Primarily by Machine	7.0	7.0	8.4
Preparation Services for Market	30.4	36.2	37.4
Cotton Ginning	0.4	0.3	0.6
Total Farm Labor & Management	163.5	167.5	162.2
Farm Labor Contractors	156.6	151.7	151.6
Farm Management Services	6.9	15.8	10.6

Average Hourly Earnings  
(In dollars per hour)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>8.08</b>	<b>8.13</b>	<b>8.06</b>
<b>Total Agricultural Production/Crops</b>	<b>7.95</b>	<b>7.98</b>	<b>7.88</b>
Cash Grains	8.01	8.03	7.85
Rice	8.25	8.30	7.69
Other Cash Grains	7.77	7.77	8.00
Field Crops Except Grains	7.83	7.98	7.83
Cotton	7.80	8.00	7.49
Other Field Crops	7.85	7.97	8.18
Vegetables and Melons	7.95	7.94	8.03
Total Fruits and Tree Nuts	8.02	7.95	7.80
Berries	8.33	8.21	7.68
Grapes	7.84	7.89	8.01
Tree Nuts	7.86	8.00	7.63
Citrus Fruits	7.91	7.70	7.82
Deciduous Tree Fruit	7.89	7.74	7.62
Other Fruits & Nuts	8.28	8.19	8.07
Total Horticultural Specialties	8.06	8.08	8.33
Ornamental Floral & Nursery	7.98	8.01	8.46
Food Crops Grown Under Cover	8.14	8.14	8.20
General Farm Primarily Crop	7.84	7.88	7.46
<b>Agricultural Production/Livestock</b>	<b>7.86</b>	<b>7.97</b>	<b>7.64</b>
Beef Cattle Feed Lots	7.76	8.34	8.27
Beef Cattle Except Feed Lots	8.28	8.40	7.64
Dairy Farms	8.32	8.29	8.17
Chicken Eggs	7.00	6.98	6.74
Turkey & Turkey Eggs	7.82	7.81	6.63
Other Livestock	8.00	7.98	8.42
<b>Total Agricultural Services</b>	<b>8.42</b>	<b>8.43</b>	<b>8.64</b>
Soil Preparation Services	8.69	8.61	8.96
Crop Services	8.57	8.71	8.83
Plant Cultivate & Protection	8.45	8.45	8.48
Harvest Primarily by Machine	8.43	8.51	8.55
Preparation Services for Market	7.97	8.02	8.26
Cotton Ginning	9.45	9.87	10.03
Total Farm Labor & Management	7.99	7.99	8.14
Farm Labor Contractors	7.77	7.77	8.10
Farm Management Services	8.20	8.21	8.17

# CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>64.0</b>	<b>67.7</b>	<b>69.5</b>
<b>Total Agricultural Production/Crops</b>	<b>36.9</b>	<b>37.4</b>	<b>41.3</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.3	0.3	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.3	0.3	0.2
Vegetables and Melons	7.4	11.7	16.2
Total Fruits and Tree Nuts	14.3	13.3	13.2
Berries	9.4	7.4	10.4
Grapes	1.9	2.7	1.2
Tree Nuts	0.1	0.1	0.3
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.8	0.2	1.1
Other Fruits & Nuts	2.1	2.9	0.2
Total Horticultural Specialties	11.5	9.1	9.1
Ornamental Floral & Nursery	9.5	7.0	7.0
Food Crops Grown Under Cover	2.0	2.1	2.1
General Farm Primarily Crop	3.4	3.0	2.6
<b>Agricultural Production/Livestock</b>	<b>0.5</b>	<b>0.5</b>	<b>0.9</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.1	0.4	0.3
Dairy Farms	0.1	0.0	0.1
Chicken Eggs	0.1	0.0	0.1
Turkey & Turkey Eggs	0.1	0.0	0.1
Other Livestock	0.1	0.1	0.3
<b>Total Agricultural Services</b>	<b>26.6</b>	<b>29.8</b>	<b>27.3</b>
Soil Preparation Services	0.0	0.0	0.4
Crop Services	9.5	11.1	10.5
Plant Cultivate & Protection	0.0	0.1	0.7
Harvest Primarily by Machine	2.8	2.9	2.0
Preparation Services for Market	6.7	8.1	7.8
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	17.1	18.7	16.4
Farm Labor Contractors	16.1	14.8	15.5
Farm Management Services	1.0	3.9	0.9

na = not available

Average Hourly Earnings  
(In dollars per hour)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>8.15</b>	<b>8.24</b>	<b>8.18</b>
<b>Total Agricultural Production/Crops</b>	<b>8.16</b>	<b>8.15</b>	<b>8.25</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.00	8.00	8.78
Cotton	na	na	na
Other Field Crops	8.00	8.00	8.78
Vegetables and Melons	8.12	8.04	8.89
Total Fruits and Tree Nuts	8.36	8.39	8.02
Berries	8.57	8.52	8.64
Grapes	7.56	7.76	7.94
Tree Nuts	8.57	8.75	7.75
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.36	8.15	7.49
Other Fruits & Nuts	8.74	8.78	8.27
Total Horticultural Specialties	8.33	8.30	8.49
Ornamental Floral & Nursery	8.45	8.27	8.52
Food Crops Grown Under Cover	8.20	8.32	8.45
General Farm Primarily Crop	8.01	8.00	7.06
<b>Agricultural Production/Livestock</b>	<b>7.89</b>	<b>8.12</b>	<b>7.55</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.40	8.28	7.57
Dairy Farms	8.29	na	8.12
Chicken Eggs	6.98	na	6.74
Turkey & Turkey Eggs	7.81	na	6.57
Other Livestock	7.96	7.96	8.74
<b>Total Agricultural Services</b>	<b>8.41</b>	<b>8.45</b>	<b>8.75</b>
Soil Preparation Services	na	na	9.00
Crop Services	8.57	8.60	8.80
Plant Cultivate & Protection	na	8.10	8.38
Harvest Primarily by Machine	8.72	9.07	9.37
Preparation Services for Market	8.42	8.64	8.64
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.25	8.29	8.44
Farm Labor Contractors	7.99	7.90	8.24
Farm Management Services	8.50	8.68	8.64

# DESERT AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>28.4</b>	<b>25.1</b>	<b>29.2</b>
<b>Total Agricultural Production/Crops</b>	<b>12.9</b>	<b>8.7</b>	<b>10.9</b>
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	2.5	2.5	1.7
Cotton	0.2	0.2	0.0
Other Field Crops	2.3	2.3	1.7
Vegetables and Melons	3.5	1.9	2.4
Total Fruits and Tree Nuts	5.1	2.7	3.7
Berries	0.0	0.0	0.1
Grapes	0.1	0.2	1.1
Tree Nuts	0.2	0.3	0.2
Citrus Fruits	1.1	0.1	1.1
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	3.7	2.1	1.1
Total Horticultural Specialties	0.1	0.0	1.5
Ornamental Floral & Nursery	0.1	0.0	1.3
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.7	1.6	1.5
<b>Agricultural Production/Livestock</b>	<b>4.6</b>	<b>5.2</b>	<b>6.0</b>
Beef Cattle Feed Lots	0.4	0.4	0.7
Beef Cattle Except Feed Lots	0.5	0.5	0.5
Dairy Farms	1.8	2.7	2.9
Chicken Eggs	1.5	1.2	1.3
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.4	0.4	0.6
<b>Total Agricultural Services</b>	<b>10.9</b>	<b>11.2</b>	<b>12.3</b>
Soil Preparation Services	0.0	0.0	0.2
Crop Services	3.7	3.1	3.5
Plant Cultivate & Protection	1.4	0.0	0.4
Harvest Primarily by Machine	1.3	0.6	1.0
Preparation Services for Market	0.9	2.5	2.0
Cotton Ginning	0.1	0.0	0.1
Total Farm Labor & Management	7.2	8.1	8.6
Farm Labor Contractors	6.8	7.4	7.9
Farm Management Services	0.4	0.7	0.7

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>7.94</b>	<b>7.87</b>	<b>7.98</b>
<b>Total Agricultural Production/Crops</b>	<b>7.75</b>	<b>7.76</b>	<b>7.75</b>
Cash Grains	na	na	7.48
Rice	na	na	na
Other Cash Grains	na	na	7.48
Field Crops Except Grains	7.82	8.02	8.33
Cotton	7.96	8.33	na
Other Field Crops	7.67	7.70	8.33
Vegetables and Melons	7.83	7.78	7.37
Total Fruits and Tree Nuts	7.83	7.81	7.94
Berries	na	na	7.91
Grapes	8.04	7.93	7.59
Tree Nuts	7.06	7.38	8.01
Citrus Fruits	7.64	7.50	8.00
Deciduous Tree Fruit	na	na	8.05
Other Fruits & Nuts	8.59	8.43	8.09
Total Horticultural Specialties	7.84	na	8.91
Ornamental Floral & Nursery	7.84	na	8.88
Food Crops Grown Under Cover	na	na	8.94
General Farm Primarily Crop	7.41	7.45	6.47
<b>Agricultural Production/Livestock</b>	<b>7.84</b>	<b>7.80</b>	<b>7.61</b>
Beef Cattle Feed Lots	7.81	7.80	7.45
Beef Cattle Except Feed Lots	na	na	7.94
Dairy Farms	8.48	8.24	7.67
Chicken Eggs	7.18	7.14	6.58
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.89	8.02	8.41
<b>Total Agricultural Services</b>	<b>8.24</b>	<b>8.06</b>	<b>8.58</b>
Soil Preparation Services	na	na	9.20
Crop Services	8.36	7.98	8.54
Plant Cultivate & Protection	8.29	na	8.50
Harvest Primarily by Machine	8.46	8.15	8.38
Preparation Services for Market	7.62	7.81	7.60
Cotton Ginning	9.05	na	9.67
Total Farm Labor & Management	8.12	8.13	8.00
Farm Labor Contractors	8.27	8.26	8.18
Farm Management Services	7.96	8.00	7.81

# NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>16.6</b>	<b>17.4</b>	<b>18.5</b>
<b>Total Agricultural Production/Crops</b>	<b>13.8</b>	<b>12.1</b>	<b>13.2</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	0.4	3.3	0.4
Total Fruits and Tree Nuts	11.4	7.9	10.8
Berries	0.0	0.0	0.0
Grapes	9.5	5.6	8.7
Tree Nuts	0.2	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	1.7	2.0	1.8
Other Fruits & Nuts	0.0	0.3	0.2
Total Horticultural Specialties	0.6	0.8	1.7
Ornamental Floral & Nursery	0.6	0.8	1.5
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	1.4	0.1	0.3
<b>Agricultural Production/Livestock</b>	<b>1.3</b>	<b>1.3</b>	<b>1.7</b>
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.2	0.3	0.2
Dairy Farms	0.7	0.7	0.9
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.1	0.0	0.1
Other Livestock	0.3	0.3	0.3
<b>Total Agricultural Services</b>	<b>1.5</b>	<b>4.0</b>	<b>3.6</b>
Soil Preparation Services	0.0	0.0	0.1
Crop Services	0.0	0.0	0.8
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.8
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	1.5	4.0	2.7
Farm Labor Contractors	0.0	0.2	0.9
Farm Management Services	1.5	3.8	1.8

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>8.41</b>	<b>8.29</b>	<b>8.32</b>
<b>Total Agricultural Production/Crops</b>	<b>8.40</b>	<b>8.39</b>	<b>8.56</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.46	8.47	9.44
Total Fruits and Tree Nuts	8.55	8.50	8.09
Berries	na	na	na
Grapes	8.66	8.79	8.78
Tree Nuts	8.30	na	7.50
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.68	8.49	8.44
Other Fruits & Nuts	na	8.21	7.63
Total Horticultural Specialties	8.52	8.60	8.55
Ornamental Floral & Nursery	8.52	8.60	8.89
Food Crops Grown Under Cover	na	na	8.20
General Farm Primarily Crop	8.08	8.00	8.17
<b>Agricultural Production/Livestock</b>	<b>8.04</b>	<b>8.09</b>	<b>7.56</b>
Beef Cattle Feed Lots	na	na	8.10
Beef Cattle Except Feed Lots	8.00	8.28	7.62
Dairy Farms	8.38	8.38	7.80
Chicken Eggs	na	na	7.05
Turkey & Turkey Eggs	7.81	na	6.75
Other Livestock	7.98	7.62	8.03
<b>Total Agricultural Services</b>	<b>8.80</b>	<b>8.37</b>	<b>8.84</b>
Soil Preparation Services	na	na	9.04
Crop Services	na	na	8.55
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.55
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.80	8.37	8.94
Farm Labor Contractors	na	7.92	8.72
Farm Management Services	8.80	8.82	9.16

na = not available

# SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>59.2</b>	<b>65.5</b>	<b>60.8</b>
<b>Total Agricultural Production/Crops</b>	<b>42.5</b>	<b>45.4</b>	<b>41.3</b>
Cash Grains	0.0	0.0	0.2
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.2
Field Crops Except Grains	1.7	2.7	0.3
Cotton	0.1	0.0	0.1
Other Field Crops	1.7	2.7	0.3
Vegetables and Melons	11.4	10.4	9.1
Total Fruits and Tree Nuts	13.5	12.6	11.1
Berries	6.1	9.6	5.7
Grapes	0.4	0.5	1.8
Tree Nuts	0.2	0.0	0.1
Citrus Fruits	1.4	0.6	1.7
Deciduous Tree Fruit	0.1	0.2	0.1
Other Fruits & Nuts	5.3	1.7	1.7
Total Horticultural Specialties	14.2	18.0	16.9
Ornamental Floral & Nursery	13.4	17.1	16.1
Food Crops Grown Under Cover	0.8	0.9	0.8
General Farm Primarily Crop	1.7	1.7	3.7
<b>Agricultural Production/Livestock</b>	<b>1.4</b>	<b>1.0</b>	<b>2.0</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.1	0.2	0.4
Dairy Farms	0.4	0.0	0.2
Chicken Eggs	0.1	0.1	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.8	0.7	1.0
<b>Total Agricultural Services</b>	<b>15.3</b>	<b>19.1</b>	<b>17.5</b>
Soil Preparation Services	0.2	0.1	0.1
Crop Services	1.2	1.3	3.6
Plant Cultivate & Protection	0.0	0.3	0.6
Harvest Primarily by Machine	0.0	0.0	1.0
Preparation Services for Market	1.2	1.0	2.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	13.9	17.7	13.8
Farm Labor Contractors	11.6	16.0	12.6
Farm Management Services	2.3	1.7	1.2

na = not available

Average Hourly Earnings  
(In dollars per hour)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>8.07</b>	<b>8.06</b>	<b>8.06</b>
<b>Total Agricultural Production/Crops</b>	<b>8.09</b>	<b>8.11</b>	<b>7.70</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	7.89
Field Crops Except Grains	8.12	8.18	7.79
Cotton	8.00	na	7.70
Other Field Crops	8.23	8.18	7.87
Vegetables and Melons	8.04	7.93	7.60
Total Fruits and Tree Nuts	7.97	7.93	7.70
Berries	8.09	7.90	7.80
Grapes	7.76	7.87	7.98
Tree Nuts	7.41	na	7.50
Citrus Fruits	8.28	8.10	7.46
Deciduous Tree Fruit	7.71	7.48	7.04
Other Fruits & Nuts	8.56	8.28	8.39
Total Horticultural Specialties	8.15	8.11	8.54
Ornamental Floral & Nursery	7.71	7.75	8.87
Food Crops Grown Under Cover	8.59	8.47	8.20
General Farm Primarily Crop	8.20	8.40	6.87
<b>Agricultural Production/Livestock</b>	<b>8.07</b>	<b>7.85</b>	<b>7.97</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.58	8.48	7.63
Dairy Farms	8.56	na	8.43
Chicken Eggs	7.05	7.00	6.32
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.07	8.06	9.50
<b>Total Agricultural Services</b>	<b>8.05</b>	<b>8.21</b>	<b>8.51</b>
Soil Preparation Services	8.76	8.71	9.29
Crop Services	7.81	8.18	8.20
Plant Cultivate & Protection	na	8.63	8.51
Harvest Primarily by Machine	na	na	7.75
Preparation Services for Market	7.81	7.73	8.35
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.57	7.74	8.03
Farm Labor Contractors	7.42	7.84	8.30
Farm Management Services	7.72	7.64	7.75



# SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>279.6</b>	<b>257.9</b>	<b>269.0</b>
<b>Total Agricultural Production/Crops</b>	<b>122.7</b>	<b>100.9</b>	<b>108.1</b>
Cash Grains	0.2	0.2	0.4
Rice	0.0	0.1	0.1
Other Cash Grains	0.2	0.1	0.3
Field Crops Except Grains	12.7	9.9	9.0
Cotton	7.3	5.5	6.3
Other Field Crops	5.4	4.4	2.7
Vegetables and Melons	16.5	16.6	7.7
Total Fruits and Tree Nuts	65.9	55.8	69.3
Berries	0.0	0.0	0.1
Grapes	39.7	32.8	43.6
Tree Nuts	3.1	1.7	7.5
Citrus Fruits	2.4	2.4	2.3
Deciduous Tree Fruit	10.9	13.1	10.0
Other Fruits & Nuts	9.8	5.8	5.8
Total Horticultural Specialties	9.8	2.7	4.5
Ornamental Floral & Nursery	9.2	1.7	4.5
Food Crops Grown Under Cover	0.6	1.0	0.1
General Farm Primarily Crop	17.6	15.7	17.2
<b>Agricultural Production/Livestock</b>	<b>13.8</b>	<b>17.2</b>	<b>16.2</b>
Beef Cattle Feed Lots	1.2	1.3	0.3
Beef Cattle Except Feed Lots	0.9	1.8	1.5
Dairy Farms	8.7	10.0	11.3
Chicken Eggs	0.7	0.9	0.6
Turkey & Turkey Eggs	0.3	0.5	0.7
Other Livestock	2.0	2.7	1.8
<b>Total Agricultural Services</b>	<b>143.1</b>	<b>139.8</b>	<b>144.7</b>
Soil Preparation Services	0.7	0.4	0.7
Crop Services	25.4	28.6	30.8
Plant Cultivate & Protection	3.5	3.6	4.4
Harvest Primarily by Machine	2.4	2.7	3.7
Preparation Services for Market	19.2	22.0	22.2
Cotton Ginning	0.3	0.3	0.5
Total Farm Labor & Management	117.0	110.8	113.2
Farm Labor Contractors	116.0	106.0	108.5
Farm Management Services	1.0	4.8	4.7

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>7.94</b>	<b>8.00</b>	<b>7.88</b>
<b>Total Agricultural Production/Crops</b>	<b>7.58</b>	<b>7.69</b>	<b>7.69</b>
Cash Grains	7.45	7.79	8.24
Rice	na	8.13	7.85
Other Cash Grains	7.45	7.44	8.63
Field Crops Except Grains	7.55	7.78	7.33
Cotton	7.45	7.66	7.27
Other Field Crops	7.64	7.90	7.38
Vegetables and Melons	7.72	7.66	7.37
Total Fruits and Tree Nuts	7.51	7.44	7.62
Berries	na	na	6.35
Grapes	7.46	7.32	7.97
Tree Nuts	7.74	7.84	7.98
Citrus Fruits	7.81	7.49	7.99
Deciduous Tree Fruit	7.05	7.15	7.33
Other Fruits & Nuts	7.48	7.42	8.10
Total Horticultural Specialties	7.63	7.72	7.54
Ornamental Floral & Nursery	7.61	7.80	7.85
Food Crops Grown Under Cover	7.64	7.63	7.22
General Farm Primarily Crop	7.61	7.78	8.02
<b>Agricultural Production/Livestock</b>	<b>7.91</b>	<b>8.03</b>	<b>7.71</b>
Beef Cattle Feed Lots	7.70	8.04	8.50
Beef Cattle Except Feed Lots	8.52	8.54	7.56
Dairy Farms	8.20	8.53	8.83
Chicken Eggs	6.80	6.80	7.01
Turkey & Turkey Eggs	7.84	7.81	6.57
Other Livestock	8.39	8.48	7.78
<b>Total Agricultural Services</b>	<b>8.32</b>	<b>8.28</b>	<b>8.26</b>
Soil Preparation Services	8.62	8.50	8.20
Crop Services	8.55	8.65	8.83
Plant Cultivate & Protection	8.63	8.64	8.45
Harvest Primarily by Machine	8.27	8.53	8.78
Preparation Services for Market	7.44	7.55	7.70
Cotton Ginning	9.84	9.87	10.38
Total Farm Labor & Management	7.81	7.69	7.75
Farm Labor Contractors	7.48	7.36	7.88
Farm Management Services	8.13	8.02	7.62

na = not available

# SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>40.1</b>	<b>39.4</b>	<b>41.4</b>
<b>Total Agricultural Production/Crops</b>	<b>28.1</b>	<b>26.2</b>	<b>27.7</b>
Cash Grains	3.5	2.0	2.1
Rice	2.6	1.4	1.6
Other Cash Grains	0.9	0.6	0.5
Field Crops Except Grains	1.8	1.8	1.2
Cotton	0.0	0.0	0.0
Other Field Crops	1.8	1.8	1.2
Vegetables and Melons	3.8	2.3	3.1
Total Fruits and Tree Nuts	11.9	12.0	13.5
Berries	0.0	0.0	0.0
Grapes	2.3	1.1	1.9
Tree Nuts	2.4	1.5	3.5
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	6.2	8.2	6.3
Other Fruits & Nuts	1.0	1.2	1.8
Total Horticultural Specialties	1.5	2.0	2.5
Ornamental Floral & Nursery	1.5	2.0	2.5
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	5.6	6.1	5.3
<b>Agricultural Production/Livestock</b>	<b>1.2</b>	<b>1.3</b>	<b>2.2</b>
Beef Cattle Feed Lots	0.0	0.3	0.1
Beef Cattle Except Feed Lots	0.1	0.0	0.7
Dairy Farms	0.1	0.1	0.7
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.0	0.9	0.7
<b>Total Agricultural Services</b>	<b>10.8</b>	<b>11.9</b>	<b>11.5</b>
Soil Preparation Services	0.0	0.0	0.1
Crop Services	4.0	3.7	3.9
Plant Cultivate & Protection	1.1	0.3	0.6
Harvest Primarily by Machine	0.5	0.8	0.7
Preparation Services for Market	2.4	2.6	2.6
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	6.8	8.2	7.5
Farm Labor Contractors	6.1	7.3	6.2
Farm Management Services	0.7	0.9	1.3

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Sep 2000	Aug 2000	Sep 1999
<b>Total Agriculture</b>	<b>7.94</b>	<b>8.07</b>	<b>8.18</b>
<b>Total Agricultural Production/Crops</b>	<b>7.79</b>	<b>7.86</b>	<b>7.91</b>
Cash Grains	8.17	8.28	7.77
Rice	8.25	8.47	7.53
Other Cash Grains	8.08	8.09	8.00
Field Crops Except Grains	7.72	8.09	8.52
Cotton	na	na	na
Other Field Crops	7.72	8.09	8.52
Vegetables and Melons	7.53	7.75	7.52
Total Fruits and Tree Nuts	7.83	7.79	7.54
Berries	na	na	na
Grapes	7.57	7.68	7.79
Tree Nuts	8.10	8.01	7.03
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.63	7.43	7.39
Other Fruits & Nuts	8.03	8.04	7.95
Total Horticultural Specialties	7.72	7.64	7.96
Ornamental Floral & Nursery	7.72	7.64	7.75
Food Crops Grown Under Cover	na	na	8.16
General Farm Primarily Crop	7.75	7.63	8.15
<b>Agricultural Production/Livestock</b>	<b>7.87</b>	<b>8.31</b>	<b>8.19</b>
Beef Cattle Feed Lots	na	9.19	9.03
Beef Cattle Except Feed Lots	7.88	na	7.53
Dairy Farms	8.00	8.00	8.17
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.73	7.73	8.04
<b>Total Agricultural Services</b>	<b>8.16</b>	<b>8.03</b>	<b>8.43</b>
Soil Preparation Services	na	na	9.04
Crop Services	8.42	8.35	8.58
Plant Cultivate & Protection	8.42	8.41	8.55
Harvest Primarily by Machine	8.27	8.28	8.47
Preparation Services for Market	8.57	8.35	8.72
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.89	7.71	7.67
Farm Labor Contractors	7.71	7.34	7.27
Farm Management Services	8.07	8.07	8.06

## DATA NOTES

### Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12<sup>th</sup> calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

### Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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